

Ozone Transport Mitigation

April 22, 2004



Air Resources Board

California Environmental Protection Agency

Overview

- **Strengthened mitigation requirements**
- **Board member-led effort in Northern California**
- **District transport protocol**

Outline

- **Transport in State law**
- **Transport mitigation history**
- **Progress over last year**
- **Future direction**

Ozone Transport in State Law

- **ARB responsibilities:**
 - Coordinate planning among districts -- SIPs
 - Assess transport and establish mitigation requirements
- **Districts' responsibility:**
 - Mitigate transport emissions under their authority

History of Board Action -- April 2001

- Transport assessment --
fundamental transport
relationships
- Discussed
strengthening
mitigation
requirements

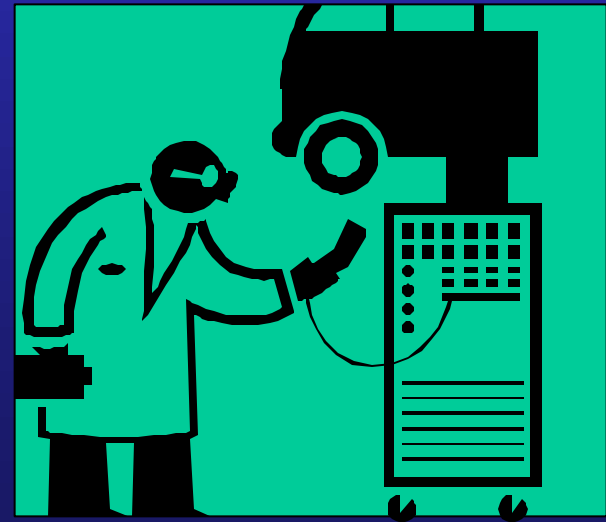


History of Board Action -- July 2001

- **Staff concepts for strengthened mitigation regulation**
- **Board direction -- craft proposal**
 - **Permitting requirements**
 - **All feasible measures**

Smog Check Issue -- 2002

- AB 2637 (Cardoza, 2002)
 - Enhanced Smog Check in Bay Area
 - Began July 2003



May 2003 Amendments to Transport Mitigation Regulation

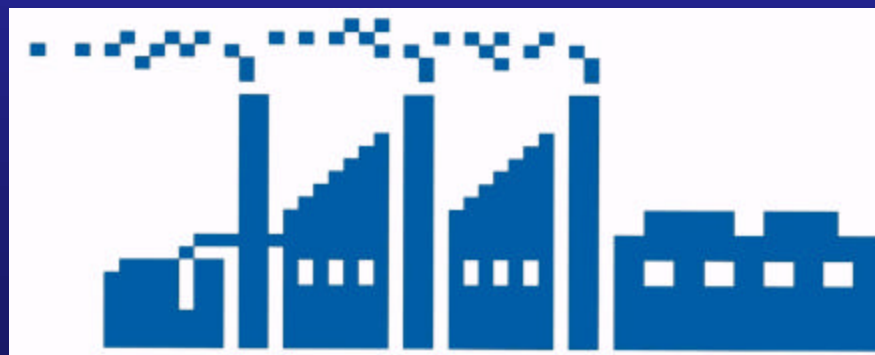
- **Upwind districts must:**
 - **Adjust “no net increase” thresholds**
 - **Adopt all feasible measures**
- **All feasible measures required to mitigate transport**

“No Net Increase” Thresholds

- **Bay Area**
- **El Dorado**
- **Feather River**
- **Placer**
- **Sacramento Metropolitan**
- **Yolo-Solano**

All Feasible Measures Progress -- CAPCOA Measures List

- Districts worked with ARB staff
- Identified most effective rules for key stationary source categories

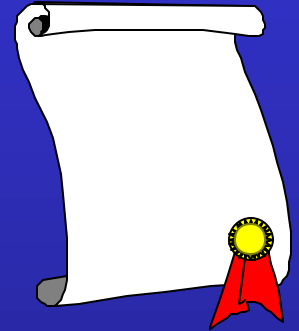


Regional Coordination

- CAPCOA Transport Protocol
- Northern California Air Quality Coordinating Group
- Southern California planning
- Sharing of Moyer program incentive funds



CAPCOA Transport Protocol



- **Coordination mechanism**
- **Facilitate identification of all feasible measures**
- **Relative emission control responsibilities**
- **Dispute resolution**

Northern California Air Quality Coordinating Group

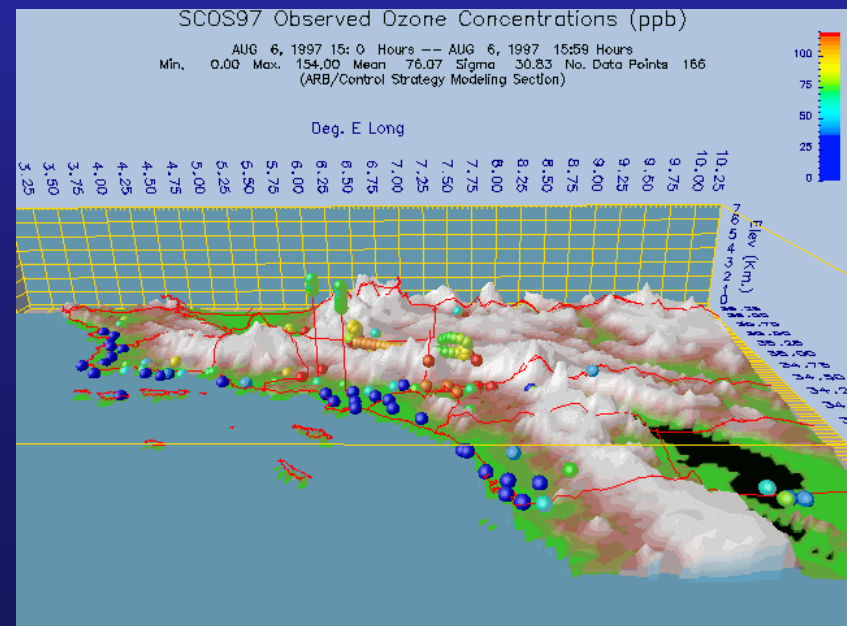
- **Board members and management from ARB, Bay Area, Sacramento, San Joaquin, and Yolo-Solano districts, and U.S. EPA**
- **February 2004 meeting -**
 - **Proceed with CAPCOA protocol**
 - **Results of rules evaluation**

Northern California Rules Evaluation

- Analyzed 11 source categories
- Compared rules and identified most effective rules in State
- Found opportunities for additional emission reductions

Future of Transport Assessment

- Use results of regional studies
 - Better 3-D transport characterization
 - Reflect upwind controls in attainment modeling



Future of Transport Mitigation

- Upwind districts:
 - “No net increase” thresholds
 - All feasible measures in State Plans
 - Coordinate with neighbors via transport protocol
- New local measures in SLPs
- ARB measures help statewide